



SHAHAJIRAO PATIL VIKAS PRATISHTHAN
S.B.PATIL COLLEGE OF ENGINEERING,INDAPUR,DIST:PUNE.

DEPARTMENT OF ELECTRICAL ENGINEERING

ACM– R-	VAP - TE	Academic Year: 2024-25
Rev:00		Semester:I& II
Date:01.07.2014		
Ref: SPVP/SBPCE/ELECT./2024-25		Date:

Name of the Value Added Program: Introduction to MATLAB

Session: 2024-25

Duration: 30 Hrs.

Class: TE

Program Coordinator: Prof. G.R.Padule

SYLLABUS/COURSE CONTENT

Sr.No.	CourseContent	No.of Hours
1.	Introduction to MATLAB • The MATLAB Environment • MATLAB Basics– Variables,Numbers,Operators,Expressions,Input and output. • Vectors,Arrays–Matrices	7hrs.
2.	MATLAB Functions • Built-inFunctions • User defined Functions	5hrs.
3.	Graphics with MATLAB • Files and File Management–Import/Export • Basic2D,3Dplots. • Graphic handling	5hrs.
4.	Programming with MATLAB • Conditional Statements,Loops • MATLAB Programs–Programming and Debugging • Applications of MATLAB Programming	9hrs.
5.	Mathematical Computing with MATLAB • Algebraic equations • Basic Symbolic Calculus and Differential equations • Numerical Techniques and Transforms	6hrs.

Program Coordinator

Prof. G.R.Padule

H.O.D

Prof.T.V.Devkar

Principal

Dr. S.T.Shirkande

VAP SCHEDULE - TE

Date	Day	Time	CourseContent
	1	2hrs.	1.Introduction to MATLAB The MATLAB Environment
	1	2hrs.	MATLAB Basic–Variables, Numbers,Operators,Expressions,Input and output.
	1	2hrs.	Vectors, Arrays–Matrices
	2	2hrs.	2.Introduction to MATLAB Functions Built-in Functions
	2	2hrs.	User defined Functions
	2	2hrs.	3.Graphics with MATLAB Files and File Management–Import/Export
	3	2hrs.	Basic2D,3Dplots.
	3	2hrs.	Graphic handling
	3	2hrs.	4.Introduction to Programming with MATLAB
	4	2hrs.	Conditional Statements
	4	2hrs.	Loops
	4	2hrs.	4.MATLAB Programs–Programming and Debugging
	5	2hrs.	Applications of MATLAB Programming
	5	2hrs.	5. Mathematical Computing with MATLAB Algebraic equations
	5	2hrs.	Basic Symbolic Calculus and Differential equations, Numerical Techniques and Transforms

Program Coordinator

Prof. G.R.Padule

H.O.D

Prof.T.V.Devkar

Principal

Dr. S.T.Shirkande

VAP Attendance - TE

Sr. No.	Day → Name of Student	1	2	3	4	5
1.	Adling Snehal Bhagwat					
2.	Bandgar Namrata Manoj					
3.	Bandgar Pooja Kisan					
4.	Bhong Bhagyashri Ashok					
5.	Borate Prathamesh Rajendra					
6.	Chavan Sahil Sanjay					
7.	Chavan Uday Prakash					
8.	Chorage Mahesh Santosh					
9.	Ganeshkar Shradha Santosh					
10.	Jadhav Sakshi Dnyandev					
11.	Jadhav Sakshi Suryakant					
12.	Javalekar Shubham Shivaji					
13.	Jaybhay Shital Vaman					
14.	Kalbhor Vijay Dattatray					
15.	Kale Tejas Popat					
16.	Kamble Abhishek Baccharam					
17.	Kamble Dhiraj Sunil					
18.	Kashid Mukta Rajendra					
19.	Kate Dhruv Balasaheb					
20.	Katkar Sanyukta Jivan					
21.	Kazi Amanulla Salim					
22.	Kolekar Akshata Bharat					
23.	Kuchekar Priti Dattatrya					
24.	Mali Nikhil Vikas					
25.	Mane Vaishnavi Umesh					
26.	Meher Karan Dnyandev					
27.	Munjhal Sumit Naganath					
28.	Nikhil Ganesh Gaikwad					
29.	Nimbalkar Saurabh Santosh					
30.	Patil Abhayrajsinh Mahesh					
31.	Patil Dnyaneshwari Ravikant					
32.	Patil Subhedar Sahebrao					
33.	Phule Pragati Bhagwan					
34.	Rajmane Prajкта Pandurang					

35.	Raut Vishwajit					
36.	Rupnawar Harshad Dattatray					
37.	Sabale Pradip Ramesh					
38.	Samir Shahabuddin Sayyad					
39.	Sayyad Ayaj Riyaj					
40.	Sayyad Azad Firoj					
41.	Shinde Atharv Maruti					
42.	Solavane Shubham Bharat					
43.	Surve Anjali Tanaji					
44.	Tambave Vishal Raosaheb					
45.	Thombare Ankita Dilip					
46.	Wadgaonkar Hrushikesh Kanifnath					
47.	Zambare Vrushali Vishal					

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